

INTERNATIONAL SEARCH REPORT

 Application No. EP 04724059
 IPC Class. B2004/001368

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	B65C1/04	B65C9/18 B65C9/30 A61J7/00 B65G1/137
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC 7 B65C A61J B65G		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/099467 A1 (BARGH ADRIAN NEIL ET AL) 25 July 2002 (2002-07-25) paragraph '0062! paragraph '0063! paragraph '0123!	1
X	US 6 173 551 B1 (BOWMAN JR RICHARD E ET AL) 16 January 2001 (2001-01-16) abstract; figures 3,4	12
X	EP 0 473 846 A (GRAPHICO CORP) 11 March 1992 (1992-03-11) column 1, line 35 - line 44	12
A	DE 40 42 096 A (RHONE POULENC AGROCHIMIE) 4 July 1991 (1991-07-04) figure	12
-/-		
<input checked="" type="checkbox"/> X	Further documents are listed in the continuation of box C.	
<input checked="" type="checkbox"/> X	Patent family members are listed in annex.	
* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claim or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "Z" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
21 June 2004		02/07/2004
Name and mailing address of the ISA European Patent Office, P.B. 5518 Patentlaan 2 NL - 2260 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax (+31-70) 340-2016		Authorized officer Martínez Navarro, A.

INTERNATIONAL SEARCH REPORT

PCT/GB2004/001368
PCT/GB2004/001368

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 27 02 482 A (FERRERO OHG) 27 July 1978 (1978-07-27) figure 2 -----	12
A	US 4 095 394 A (EVRARD JACQUES EDMOND MAURICE) 20 June 1978 (1978-06-20) figures 3-5 -----	12
A	US 1 425 351 A (WEEKS CHARLES S) 8 August 1922 (1922-08-08) figure 17 -----	12
A	US 5 713 485 A (LIFF HAROLD J ET AL) 3 February 1998 (1998-02-03) abstract -----	1

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 16-20,57-61

Rule 39.1.vi PCT

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

IS

International Application No.
PCT/GB2004/001368

FQ1583516:

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US 4095394	A	20-06-1978	NONE
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Dialogweb

2/19/1

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WPI Acc no: 1978-F9492A/197831

Labelling machine using web of self-adhesive labels - has labels stripped of diverted web and pressed over container top and down sides

Patent Assignee: FERRERO OHG MBH (FRRR) Patent Family (1 patents, 1 countries) Patent Number Kind Date Application Number Kind Date

Update Type

DE 2702482 A 19780727 DE 2702482 A 19770121 197831 B

DE 2702482 A 19770121

Priority Applications (no., kind, date): DE 2702482 A 19770121

Alerting Abstract DE A

The container labelling machine operates at high speed to apply a self-adhesive label over the top and down the sides of each container. The labels (11) are arranged in rows and columns on a carrier web (12) fed through a conveyor and around a narrow edge so that the web is virtually turned through 360 deg.

At this sharp turn the leading edges of the labels become detached from the web and the labels are gathered by a transfer unit (14) which incorporates a pressure unit that acts vertically downward to guide the labels individually over the container top and down its sides. The containers are supplied in single rows to a turntable or star wheel (5) over which the transfer unit moves. The labelled containers are then withdrawn from the table.

Title Terms /Index Terms/Additional Words: LABEL; MACHINE; WEB; SELF; ADHESIVE; STRIP; DIVERT; PRESS; CONTAINER; TOP; DOWN; SIDE

Class Codes International Patent Classification IPC Class Level

Scope Position Status Version Date

B65C-001/06 Secondary "Version 7"

ECLA: B65C-001/04B

File Segment: EngPI; ;

DWPI Class: Q31

Original Publication Data by Authority

Germany

Publication No. DE 2702482 A (Update 197831 B)

Publication Date: 19780727

Vorrichtung zum Etikettieren von Behaeltern

Assignee: Ferrero oHG, 3570 Stadthallendorf (FRRR)

Language: DE

Application: DE 2702482 A 19770121

DE 2702482 A 19770121 (Local application)

original IPC: B65C-1/06

Current IPC: B65C-1/06

Current ECLA class: B65C-1/04B

Claim:

1. Vorrichtung zum Etikettieren von Behaeltern mit ueber deren Oberseite und zumindest einer anschliessenden Seitenflaeche sich erstreckenden selbstklebenden Etiketten, dadurch gekennzeichnet, dass ein die Etiketten (11) in an sich bekannter Weise in mehreren Reihen nebeneinander auf einer bandartigen Traegerfolie (12) anliefernder

de2702482 abstract

Etikettenfoerderer (7) vorgesehen ist, der mit einer vorderen, die Traegerfolie scharf umlenkenden Kante (9) sowie einem die Etiketten ueber diese Kante hinaus weiterfuehrenden und auf den ueber einen Drehtisch oder Drehstern (5) angelieferten Behaeltern (3) absetzenden uebergabeeinrichtung (14) ausgestattet ist, welcher eine Anpresseinheit (17) nachgeschaltet ist, durch die der ueber die Ueberseite der Behaelter hinausstehende Bereich (T) der Etiketten (11) an einer oder mehreren Seitenflaechen der Behaelter anlegbar ist.

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LABELLING APPARATUS

Patent number: DE4042096 (A1)

Publication date: 1991-07-04

Inventor(s): GORMAND PHILIPPE [FR]; VIAL JEAN [FR]

Applicant(s): RHONE-POULENC AGROCHIMIE [FR]

Classification:

- international: B65C3/10; B65C9/18; B65C9/30; B66C3/00; B65C9/08; B66C9/26; (IPC1-7): B65C9/08; B65C9/26; B65C9/42

- european: B65C3/10; B65C9/18B4C; B65C9/30

Application number: DE19904042096 19901228

Priority number(s): FR19900000129 19900103

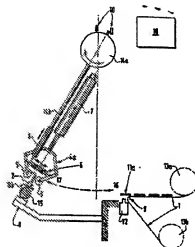
Also published as:

WO9301094 (A1)

FR2656589 (A1)

Abstract of DE 4042096 (A1)

An apparatus for labelling containers (15) of various sizes, and a method for using same, wherein rollers (5) moving around and surrounding the container (15) apply a label (11b) thereon.



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